Patent claims

1   1.   Method for monitoring a driver output, comprising the steps of:

2   providing for actively influencing the driver output in order to perform fault analysis,

3   and

4   influencing the driver output actively only if a fault state has occurred at the driver

5   output for a specified period of time.

1   2.   Method according to Claim 1, wherein the driver output is checked cyclically

2   for the occurrence of a fault state.

1   3.   Method according to Claim 2, wherein the specified period of time is

2   considered to have elapsed if the fault state has occurred at the driver output for a

3   prespecified number of consecutive cycles.

1   4.   Method according to Claim 3, wherein it is possible to configure the

2   prespecified number of consecutive cycles.

1   5.   Method according to Claim 1, wherein the fault state at the driver output is

2   represented by a binary value.

1   6.   Method according to Claim 5, wherein the binary value representing the fault

2   state at the binary output is stored.

1   7.   Method according to Claim 1, wherein the active influencing of the driver

2   output comprises application of a series of test pulses to the driver input and/or the

3   driver output.

1   8.   Method for monitoring a driver output, comprising the step of influencing the

2   driver output actively only if a fault state has occurred at the driver output for a

3   specified period of time.

1   9.   Method according to Claim 8, wherein the driver output is checked cyclically

2   for the occurrence of a fault state.

1   10.   Method according to Claim 9, wherein the specified period of time is

2   considered to have elapsed if the fault state has occurred at the driver output for a

3   prespecified number of consecutive cycles.

1   12.   Method according to Claim 10, wherein it is possible to configure the

2   prespecified number of consecutive cycles.

1   13.   Method according to Claim 8, wherein the fault state at the driver output is

2   represented by a binary value.

1   14.   Method according to Claim 13, wherein the binary value representing the fault

2   state at the binary output is stored.

1   15.   Method according to Claim 8, wherein the active influencing of the driver

2   output comprises application of a series of test pulses to the driver input and/or the

3   driver output.

1   16.   Method for monitoring a driver output, comprising the steps of:

2   - performing a fault analysis of the driver;

3   - determining whether an error occurred;

4   - influencing the driver output actively only if an error has occurred at the driver

5   output for a specified period of time.

1   17.   Method according to Claim 16, wherein the driver output is checked cyclically

2   for the occurrence of a error.

1   18.   Method according to Claim 17, wherein the specified period of time is

2   considered to have elapsed if the error has occurred at the driver output for a

3   prespecified number of consecutive cycles.

1   19.   Method according to Claim 18, wherein it is possible to configure the

2   prespecified number of consecutive cycles.

1   20.   Method according to Claim 16, wherein the error at the driver output is

2   represented by a binary value.

1   21.   Method according to Claim 20, wherein the binary value representing the error

2   at the binary output is stored.

1   22.   Method according to Claim 16, wherein the active influencing of the driver

2   output comprises application of a series of test pulses to the driver input and/or the

3   driver output.